

## CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date:

1600  
RECEIVED  
5/16/2003  
24 2003  
TECH CENTER 1600/2900Serial Number: 09/607,745

ENTERED

Edited by:

Verified by:

 Changed a file from non-ASCII to ASCII Changed the margins in cases where the sequence text was "wrapped" down to the next line Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_ : Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_ Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ~~ending~~ stop codon in ~~amino~~ acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_ Other:Sequence 9-aligned amino acid number

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

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MAR 24 2003  
TECH CENTER



1600

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/607,745

DATE: 03/18/2003  
TIME: 18:41:22

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\03182003\I607745.raw

3 <110> APPLICANT: Darrow, Andrew L  
4 Qi, Jain-shen  
5 Andrade-Gordon, Patricia  
7 <120> TITLE OF INVENTION: DNA encoding human serine protease D-G  
9 <130> FILE REFERENCE: ORT-1273  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/607,745  
C--> 12 <141> CURRENT FILING DATE: 2000-06-30  
14 <160> NUMBER OF SEQ ID NOS: 9  
16 <170> SOFTWARE: PatentIn Ver. 2.1  
18 <210> SEQ ID NO: 1  
19 <211> LENGTH: 2121  
20 <212> TYPE: DNA  
21 <213> ORGANISM: Homo sapiens  
23 <400> SEQUENCE: 1  
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25 atacacagag agaggcagca gcttgcgtcag cggacaagga tgctggcggt gagggaccaa 120  
26 ggcctgcctt gcactcgggc ctccctccagc cagtgcgtcag caggacttc tgacctgctg 180  
27 gccagccagg acctgtgtgg ggaggccctc ctgctgcctt ggggtgacaa tctcagctcc 240  
28 aggtacagg gagaccggga ggatcacaga gccagcatgg atcctgcacag tgatcaacct 300  
29 ctgaacagggc tcgatgtcaa acccctgcgc aaaccctgtt tccccatgga gacccatcaga 360  
30 aaggtgggaa tccccatcat catagcacta ctgagccctgg cgagtatcat cattgtggtt 420  
31 gtccctcatca aggtgattct ggataaatac tacttcctct gcgggcagcc tctccacttc 480  
32 atcccgagga agcagctgtg tgacggagag ctggactgtc cttggggggaa ggacgaggag 540  
33 cactgtgtca agagctcccc cgaaggccct gcagttggcag tccgcctctc caaggaccga 600  
34 tccacactgc aggtgctggc ctcggccaca gggaaactgggt tctctgcctg ttcgacaac 660  
35 ttcacagaag ctctcgctga gacagccctgt aggcagatgg gctacagcag caaaccact 720  
36 ttcagagctg tggagattgg cccagaccag gatctggatg ttgttgaat cacagaaaac 780  
37 agccaggagc ttgcgtcgca gaactcaagt gggccctgtc tctcaggcgc cctgtctcc 840  
38 ctgcactgtc ttgcctgtgg gaagagccctg aagacccccc gtgtgggtgg tggggaggag 900  
39 gcctctgtgg attcttgcc ttggcagggtc agcatccagt acgacaaaaca gcacgtctgt 960  
40 ggagggagca tccctggaccc ccactgggtc ctcacggcag cccactgtt cagggaaacat 1020  
41 accgatgtgt tcaactggaa ggtgcgggca ggctcagaca aactgggcag cttcccatcc 1080  
42 ctggctgtgg ccaagatcat catcattgaa ttcaacccca tgcgttccaa agacaatgac 1140  
43 atgcctca tgaagctgca gttccactc actttctcag gcacagtca gcccattctgt 1200  
44 ctggcccttc ttgatgagga gtcacttca gccacccac tctggatcat tggatggggc 1260  
45 ttacgaago agaatggagg gaagatgtt gacatactgc tgcaggcgtc agtccaggc 1320  
46 attgacagca cacggcgtca tgcagacgt gcttccatgg gggaaagtca cggaaagatg 1380  
47 atgtgtgcag gcatcccgaa aggggggtgtg gacacccgtt aggggtgacag tgggtggccc 1440  
48 ctgtatgtacc aatctgacca gtggcatgtg gtggccatcg ttagctgggg ctatggctgc 1500  
49 gggggcccgaa gcacccagg ggtatacacc aaggctctcg cctatctcaa ctggatctac 1560  
50 aatgtctggaa aggctgagct gtaatgtgc tgccctttg cagtgcgtgg agccgcttcc 1620  
51 ttctgcctt gcccacccatgg ggtacccca aagtca gacca cagagcaaga gtccccttgg 1680  
52 gtacacccctt ctgcccacccatgg ggtacccca aagtca gacca cagagcaaga gtccccttgg 1740

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53 taagagaccc tcgcagccca gaggcgcccc gaggaagtca gcagccctag ctcgccaca 1800  
 54 cttggtgctc ccagcatccc agggagagac acagccact gaacaaggc tcagggtat 1860  
 55 tgctaagcca agaaggaact tttccacact actgaatgga agcaggctgt cttgtaaaag 1920  
 56 cccagatcac tgtggctgg agaggagaag gaaagggtct gcgcagccc tgtccgtctt 1980  
 57 eacccatccc caagcctact agagcaagaa accagttgtatataaaaatg cactgcctac 2040  
 58 tgggttatg actaccgtta cctactgttg tcattgttat tacagctatg gccactatta 2100  
 59 taaaagagct gtgtaacatc a 2121  
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 63 <211> LENGTH: 435  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Homo sapiens  
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 69 1 5 10 15  
 70 Leu Arg Lys Pro Arg Ile Pro Met Glu Thr Phe Arg Lys Val Gly Ile  
 71 20 25 30  
 72 Pro Ile Ile Ala Leu Leu Ser Leu Ala Ser Ile Ile Ile Val Val  
 73 35 40 45  
 74 Val Leu Ile Lys Val Ile Leu Asp Lys Tyr Tyr Phe Leu Cys Gly Gln  
 75 50 55 60  
 76 Pro Leu His Phe Ile Pro Arg Lys Gln Leu Cys Asp Gly Glu Leu Asp  
 77 65 70 75 80  
 78 Cys Pro Leu Gly Glu Asp Glu Glu His Cys Val Lys Ser Phe Pro Glu  
 79 85 90 95  
 80 Gly Pro Ala Val Ala Val Arg Leu Ser Lys Asp Arg Ser Thr Leu Gln  
 81 100 105 110  
 82 Val Leu Asp Ser Ala Thr Gly Asn Trp Phe Ser Ala Cys Phe Asp Asn  
 83 115 120 125  
 84 Phe Thr Glu Ala Leu Ala Glu Thr Ala Cys Arg Gln Met Gly Tyr Ser  
 85 130 135 140  
 86 Ser Lys Pro Thr Phe Arg Ala Val Glu Ile Gly Pro Asp Gln Asp Leu  
 87 145 150 155 160  
 88 Asp Val Val Glu Ile Thr Glu Asn Ser Gln Glu Leu Arg Met Arg Asn  
 89 165 170 175  
 90 Ser Ser Gly Pro Cys Leu Ser Gly Ser Leu Val Ser Leu His Cys Leu  
 91 180 185 190  
 92 Ala Cys Gly Lys Ser Leu Lys Thr Pro Arg Val Val Gly Gly Glu Glu  
 93 195 200 205  
 94 Ala Ser Val Asp Ser Trp Pro Trp Gln Val Ser Ile Gln Tyr Asp Lys  
 95 210 215 220  
 96 Gln His Val Cys Gly Gly Ser Ile Leu Asp Pro His Trp Val Leu Thr  
 97 225 230 235 240  
 98 Ala Ala His Cys Phe Arg Lys His Thr Asp Val Phe Asn Trp Lys Val  
 99 245 250 255  
 100 Arg Ala Gly Ser Asp Lys Leu Gly Ser Phe Pro Ser Leu Ala Val Ala  
 101 260 265 270  
 102 Lys Ile Ile Ile Glu Phe Asn Pro Met Tyr Pro Lys Asp Asn Asp  
 103 275 280 285  
 104 Ile Ala Leu Met Lys Leu Gln Phe Pro Leu Thr Phe Ser Gly Thr Val

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123	290	295	300
125	Arg Pro Ile Cys Leu Pro Phe Phe Asp Glu Glu Leu Thr Pro Ala Thr		
126	305	310	315
128	Pro Leu Trp Ile Ile Gly Trp Gly Phe Thr Lys Gln Asn Gly Gly Lys		320
129	325	330	335
131	Met Ser Asp Ile Leu Leu Gln Ala Ser Val Gln Val Ile Asp Ser Thr		
132	340	345	350
134	Arg Cys Asn Ala Asp Asp Ala Tyr Gln Gly Glu Val Thr Glu Lys Met		
135	355	360	365
137	Met Cys Ala Gly Ile Pro Glu Gly Val Asp Thr Cys Gln Gly Asp		
138	370	375	380
140	Ser Gly Gly Pro Leu Met Tyr Gln Ser Asp Gln Trp His Val Val Gly		
141	385	390	395
143	Ile Val Ser Trp Gly Tyr Gly Cys Gly Gly Pro Ser Thr Pro Gly Val		400
144	405	410	415
146	Tyr Thr Lys Val Ser Ala Tyr Leu Asn Trp Ile Tyr Asn Val Trp Lys		
147	420	425	430
149	Ala Glu Leu		
150	435		
153	<210> SEQ ID NO: 3		
154	<211> LENGTH: 20		
155	<212> TYPE: DNA		
156	<213> ORGANISM: Artificial Sequence		
158	<220> FEATURE:		
159	<223> OTHER INFORMATION: Description of Artificial Sequence: synthetic		
160	oligonucleotide primer		
162	<400> SEQUENCE: 3		
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166	<210> SEQ ID NO: 4		
167	<211> LENGTH: 20		
168	<212> TYPE: DNA		
169	<213> ORGANISM: Artificial Sequence		
171	<220> FEATURE:		
172	<223> OTHER INFORMATION: Description of Artificial Sequence: synthetic		
173	oligonucleotide primer		
175	<400> SEQUENCE: 4		
176	tcttgctcta gtaggcttgg		20
179	<210> SEQ ID NO: 5		
180	<211> LENGTH: 40		
181	<212> TYPE: DNA		
182	<213> ORGANISM: Artificial Sequence		
184	<220> FEATURE:		
185	<223> OTHER INFORMATION: Description of Artificial Sequence: Nested probe		
187	<400> SEQUENCE: 5		
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191	<210> SEQ ID NO: 6		
192	<211> LENGTH: 30		
193	<212> TYPE: DNA		
194	<213> ORGANISM: Artificial Sequence		



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258 1 5 10 15  
260 Val Val Ser Asn Leu Leu Leu Cys Gln Gly Val Val Ser Asp Tyr Lys  
261 20 25 30  
263 Asp Asp Asp Asp Val Asp Ala Ala Ala Leu Ala Ala Pro Phe Asp Asp  
264 35 40 45  
266 Asp Asp Lys Ile Val Gly Gly Tyr Ala Leu Asp Val Asp Ser Trp Pro  
267 50 55 60  
269 Trp Gln Val Ser Ile Gln Tyr Asp Lys Gln His Val Cys Gly Gly Ser  
270 65 70 75 80  
272 Ile Leu Asp Pro His Trp Val Leu Thr Ala Ala His Cys Phe Arg Lys  
273 85 90 95  
275 His Thr Asp Val Phe Asn Trp Lys Val Arg Ala Gly Ser Asp Lys Leu  
276 100 105 110  
278 Gly Ser Phe Pro Ser Leu Ala Val Ala Lys Ile Ile Ile Ile Glu Phe  
279 115 120 125  
281 Asn Pro Met Tyr Pro Lys Asp Asn Asp Ile Ala Leu Met Lys Leu Gln  
282 130 135 140  
284 Phe Pro Leu Thr Phe Ser Gly Thr Val Arg Pro Ile Cys Leu Pro Phe  
285 145 150 155 160  
287 Phe Asp Glu Glu Leu Thr Pro Ala Thr Pro Leu Trp Ile Ile Gly Trp  
288 165 170 175  
290 Gly Phe Thr Lys Gln Asn Gly Gly Lys Met Ser Asp Ile Leu Leu Gln  
291 180 185 190  
293 Ala Ser Val Gln Val Ile Asp Ser Thr Arg Cys Asn Ala Asp Asp Ala  
294 195 200 205  
296 Tyr Gln Gly Glu Val Thr Glu Lys Met Met Cys Ala Gly Ile Pro Glu  
297 210 215 220  
299 Gly Gly Val Asp Thr Cys Gln Gly Asp Ser Gly Gly Pro Leu Met Tyr  
300 225 230 235 240  
302 Gln Ser Asp Gln Trp His Val Val Gly Ile Val Ser Trp Gly Tyr Gly  
303 245 250 255  
305 Cys Gly Gly Pro Ser Thr Pro Gly Val Tyr Thr Lys Val Ser Ala Tyr  
306 260 265 270  
308 Leu Asn Trp Ile Tyr Asn Val Trp Lys Ala Glu Leu Ser Arg His His  
309 275 280 285  
311 His His His His  
312 290

**VERIFICATION SUMMARY**  
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Input Set : A:\PTO.AMC.txt  
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L:11 M:270 C: Current Application Number differs, Replaced Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date